



2014 SEATTLE ALL-HAZARDS MITIGATION PLAN UPDATE **DRAFT PLAN REVIEW PRESENTATION**



WE WANT YOUR INPUT!

The City of Seattle is updating its All-Hazards Mitigation Plan and wants your input.

Here's what you can do:

1. Review the updated plan at www.seattle.gov/emergency/
2. Look at proposed actions and projects
3. Consider if risks for your community are addressed
4. E-mail us your comments by October 3 at HazardMitigationPlanUpdate@seattle.gov



DO YOU KNOW ABOUT...

- Hazard mitigation and how it benefits the city?
- Hazards that pose the greatest risk to the city?
- The city's strategy to mitigate hazards?
- Actions the city has already taken to reduce risk?
- What the city wants to hear from you about the updated all-hazards mitigation plan?

...KEEP READING AND YOU WILL!

WHAT IS HAZARD MITIGATION?

- Actions to reduce, eliminate, redirect or avoid the effects of natural, manmade or technological hazards.
- Mitigation activities can start before, during or after a disaster happens to lessen its impact on people and property.
- Through planning, hazard mitigation can be a long-term, cost-effective way to reduce the risk of loss and help create a more disaster-resistant and sustainable community.



WHY IS HAZARD MITIGATION IMPORTANT?

Mitigation planning allows the city to:

- Better understand and reduce the impact of identified hazards
- Protect the city's people, property, and the environment
- Be eligible for federal mitigation projects funds
- Strengthen relationships through planning together
- Improve coordination of hazard mitigation with comprehensive planning and zoning
- Develop more sustainable and disaster-resistant communities
- **Save lives and money!**



*Courtesy of
Seattle Parks & Recreation*

CITY OF SEATTLE HAZARD MITIGATION PROGRAM

- Guides regular updates of the hazard mitigation plan
- Identifies effective, sustainable, and cost-effective mitigation projects, and realistic implementation strategies

Everyone has a role...

- **Citizens** provide input and take action to improve personal preparedness and safeguard homes from damage.
- **Elected officials** make policy and support mitigation by dedicating city resources
- **City departments** implement mitigation actions
- **Community partners** work together to reduce risk

MITIGATION PROGRAM GOALS

1. Protect life and safety and promote community preparedness
2. Safeguard critical infrastructure and ensure continuity of service
3. Protect public and private property
4. Protect the natural environment and cultural and historic resources
5. Ensure a resilient economy
6. Promote a collaborative and integrated mitigation program



A UNIQUE COMMUNITY...

- **Economically**
Seattle is the hub of the Pacific Northwest with 634,535 residents and 502,000 jobs
- **Geographically**
Built on a series of hills, Seattle is surrounded by water with Puget Sound to the west and Lake Washington to the east
- **Culturally**
Seattle is a vibrant city whose citizens are committed to a more resilient community



Photo Credit: http://upload.wikimedia.org/wikipedia/commons/9/94/Port_of_seattle.jpg

...WITH UNIQUE HAZARDS

The city's top 10 hazards are:

Ranking determined by a hazard's frequency and level of expected impact to the community.

1. Earthquakes
2. Snow and Ice Storms
3. Infrastructure/Cyber Incidents
4. Windstorms
5. Power Outages
6. Terrorism
7. Disease Outbreaks
8. Flooding
9. Excessive Heat
10. Fires

EARTHQUAKES

- Earthquakes are Seattle's top hazard; the Seattle fault is the most dangerous source for earthquake events
- Seattle has experienced damaging earthquakes in 1949, 1965, and 2001
- The city is actively preparing to reduce its risk through a number of actions including enhancing building standards, retrofitting bridges, and educating the public

Photo Credit: <http://seattlemag.com/sites/seattlemag.advantagelabs.com/files/article/grey-matters/0813earthquake.jpg>

SNOW AND ICE STORMS



- Seattle's weather is generally mild, but snow events can be large and have major impacts
- Hilly terrain and limited snow removal equipment increase Seattle's vulnerability
- Extended snow events can create health and safety issues and affect transportation

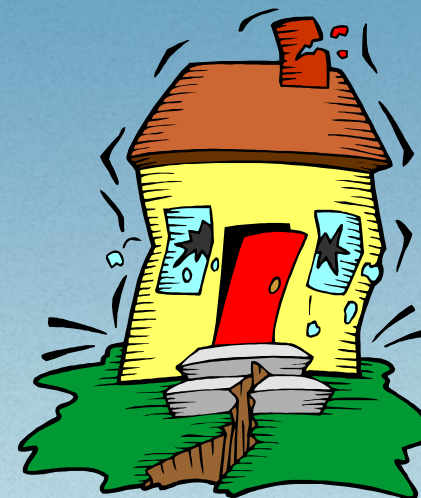


INFRASTRUCTURE FAILURES

- Buildings, dams, and critical telecommunication lifelines can all be damaged during a disaster
- Seattle is very vulnerable to bridge collapse due to the central role they play in the city's transportation network
- An emerging issue is cyber disruption, resulting in computer system outages

WHAT CAN WE DO IN SEATTLE TO PROTECT OURSELVES?

1. Set policy through regulations and planning processes
2. Modify buildings or structures to protect them from hazards
3. Protect the natural environment
4. Raise awareness of hazards and ways to mitigate them through outreach and education
5. Protect people and property during and immediately after a disaster through preparedness and response activities





WHAT HAVE WE DONE?

Mitigation projects completed recently:

- North Queen Anne Drive Bridge Seismic Retrofit
- Urban Flood Hazard Identification Project
- Jefferson and Queen Anne Community Centers Seismic Retrofit
- Duwamish Head Landslide Mitigation Project
- Unreinforced Masonry Building Public Education and Outreach (ongoing)

Photo Credit: <http://www.seattle.gov/parks/centers/images/jefferson.jpg>



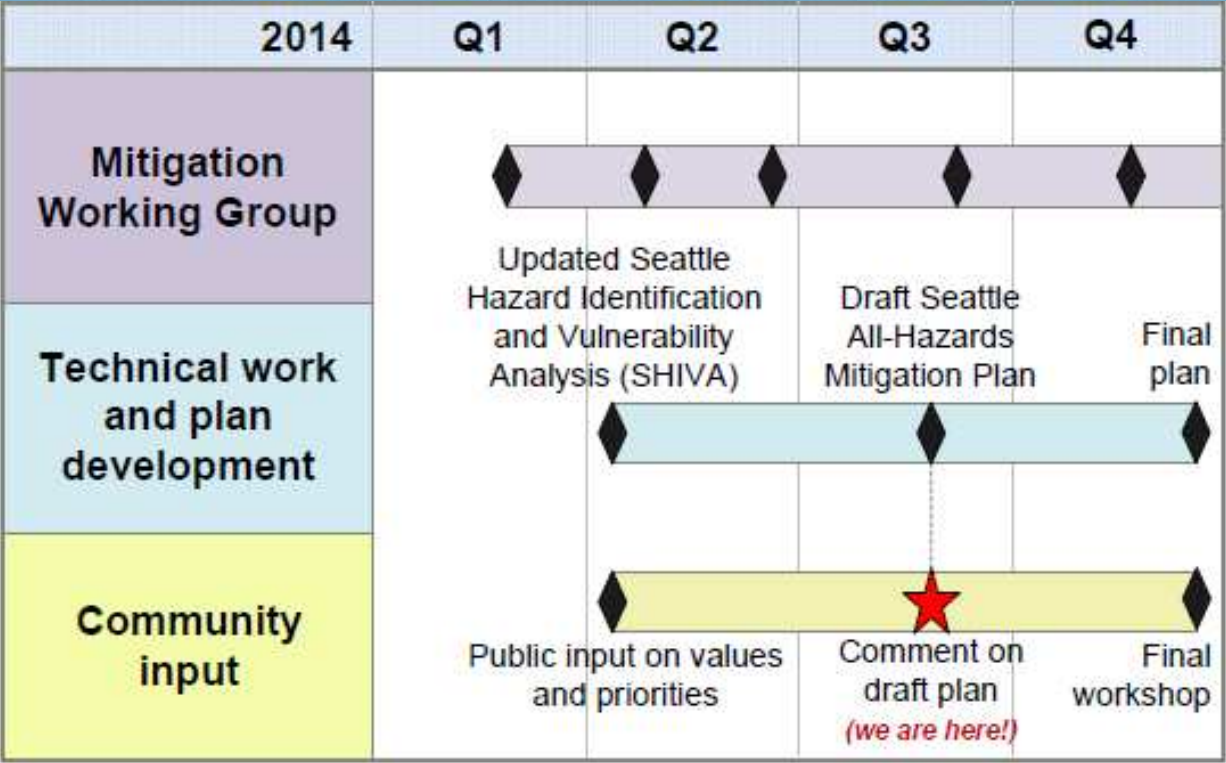
WHAT DO WE PLAN TO DO IN THE FUTURE?

Some projects identified in the updated plan:

- Performing seismic upgrades to key city facilities
- Installing emergency generators in key city facilities
- Surveying landmarks/historic resources that have had seismic upgrades
- Integrating hazard mitigation into the city's comprehensive plan

Photo Credit: Seattle Department of Transportation, Image of North Queen Anne Bridge seismic retrofit

THE PLANNING PROCESS SO FAR



WE WANT TO HEAR FROM YOU!

From the public:

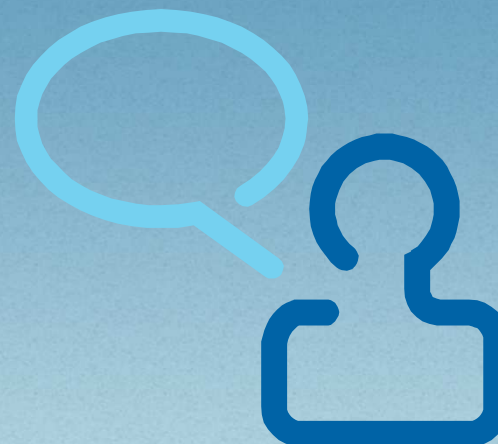
What projects would you like to see completed in your neighborhood that would reduce the impacts of hazards?

From community partners:

What opportunities do you see to collaborate or coordinate with the city's mitigation efforts?

From everyone:

What questions do you have about the city's mitigation program that the plan doesn't answer?



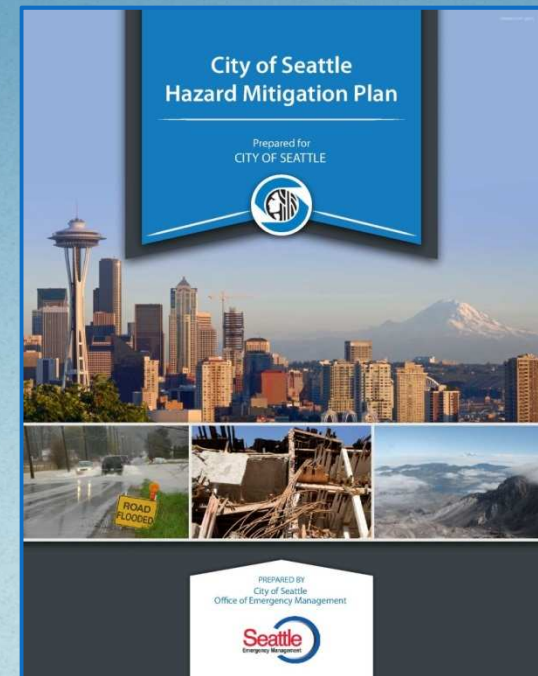
HOW CAN YOU PARTICIPATE?

Review the plan at:

www.seattle.gov/emergency/

Send comments by October 3 to:

HazardMitigationPlanUpdate@seattle.gov



ADDITIONAL RESOURCES

Seattle Office of Emergency Management

www.seattle.gov/emergency

King County Regional Hazard Mitigation Plan

www.kingcounty.gov/safety/prepare/EmergencyManagementProfessionals/Plans/RegionalHazardMitigationPlan.aspx

Washington State Enhanced Hazard Mitigation Plan

[www.emd.wa.gov/plans/washington state hazard mitigation plan.shtml](http://www.emd.wa.gov/plans/washington_state_hazard_mitigation_plan.shtml)

Federal Emergency Management Agency

www.fema.gov



Photo Credit:

http://www.visitseattle.org/Images/Heros/Home_Visitors/Discover/Neighborhoods/Fremont/IMG_3691.jpg?width=940&height=529

THANK YOU FOR
HELPING US BUILD
A MORE RESILIENT
COMMUNITY!



Photo Credit: <http://itsyowyow.com/tag/pike-place-market>